



**11th Armored Cavalry Regiment**



# OUTLINE

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- Organization & capabilities
- Short-term improvements
- Long-term enhancements
- Summary
- Conclusion



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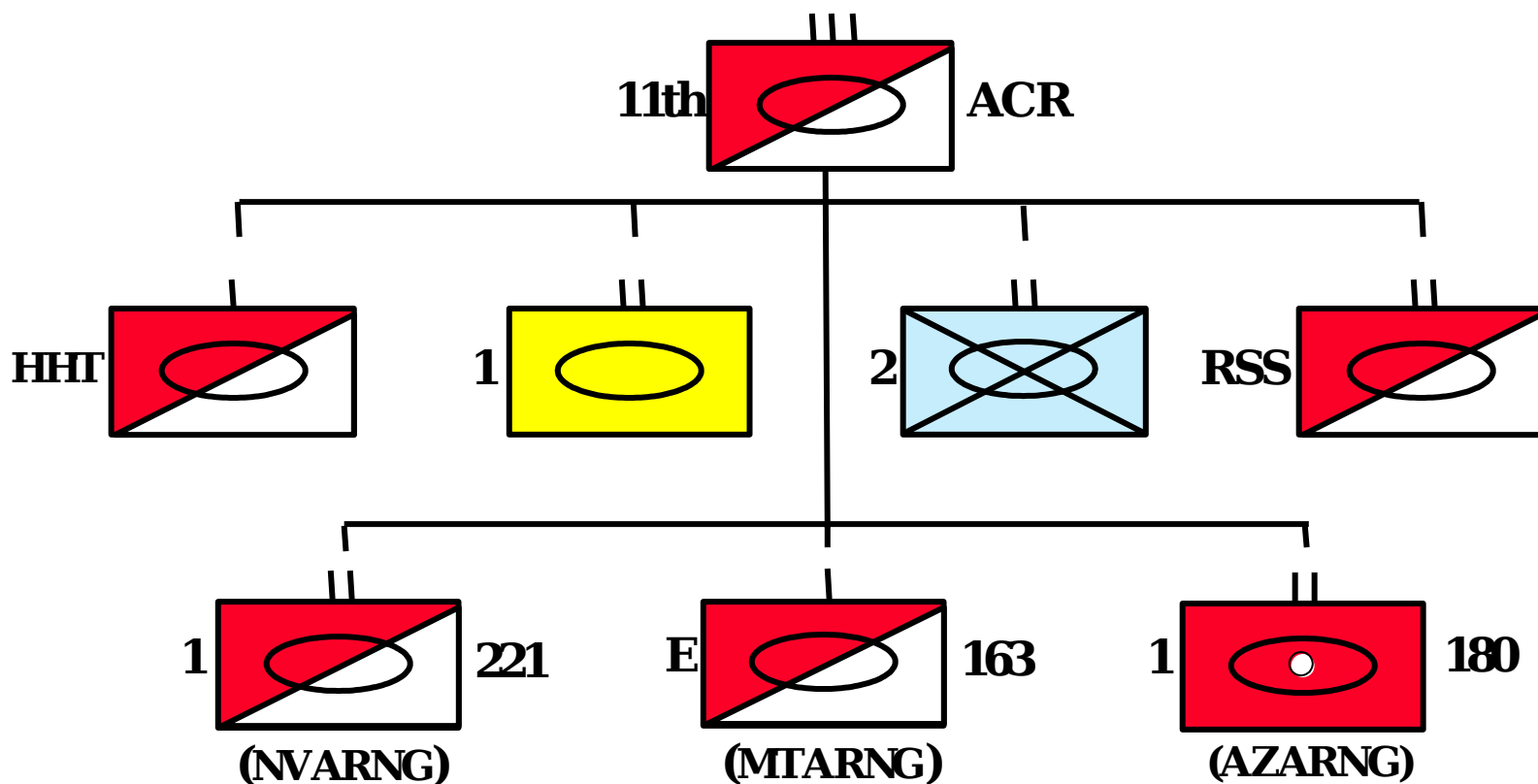
# ORGANIZATION & CAPABILITIES



# OPFOR ORGANIZATION



## 11th Armored Cavalry Regiment



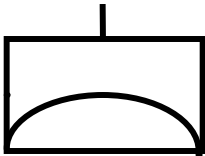


# OPFOR ORGANIZATION



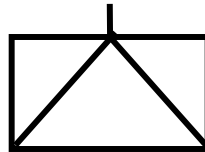
## Separate Troops

ADA



SA-8  
SA-9  
SA-14  
SA-18  
2S6

AT



AT-5  
(mounted/dismounted)  
2A45M

511th MI



TLQ  
TRQ  
GSR  
Deception

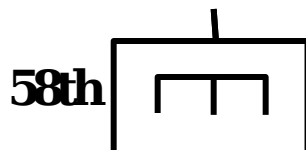


# OPFOR ORGANIZATION

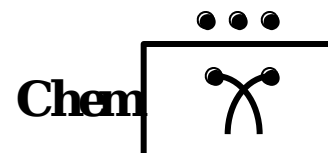
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## Separate Troops



**MOD**  
**MSD**  
**UMZ**  
**IMR**



**TDAM**  
**RKH**



# OPFOR ORGANIZATION

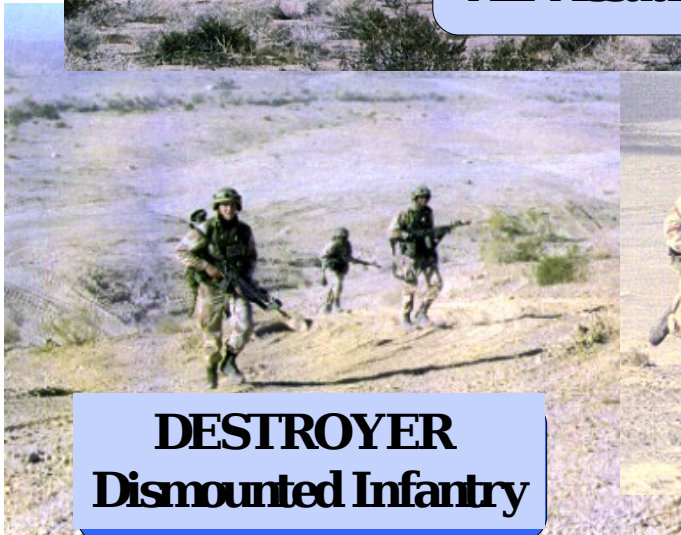


## Infantry Augmentees

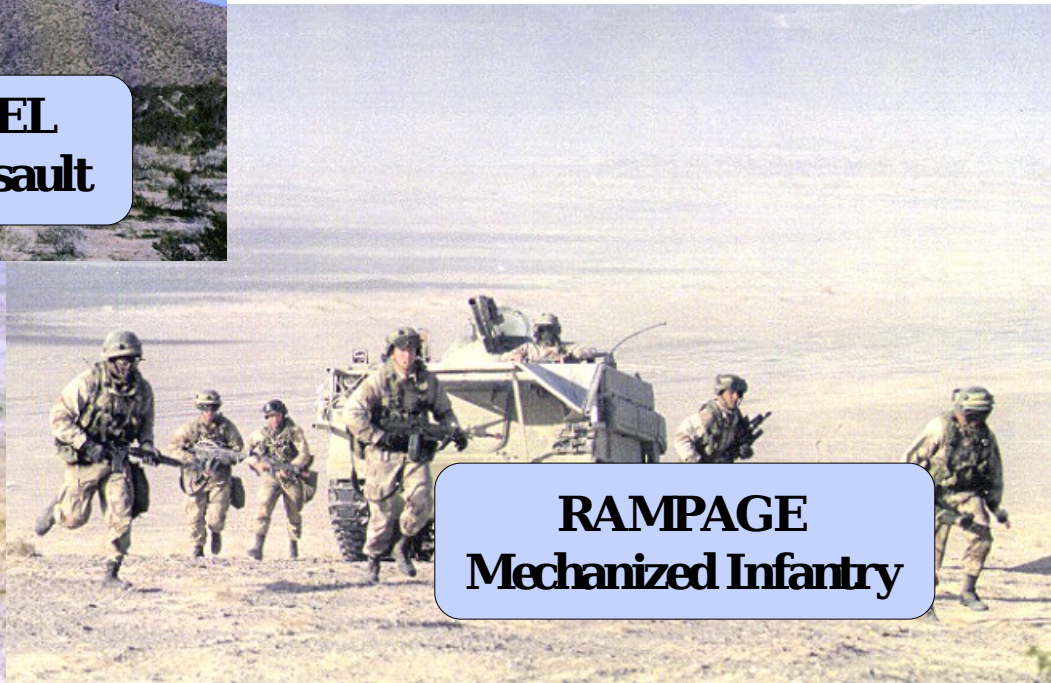


**ANGEL**  
**Air Assault**

**100 - 300 Infantry**



**DESTROYER**  
**Dismounted Infantry**



**RAMPAGE**  
**Mechanized Infantry**

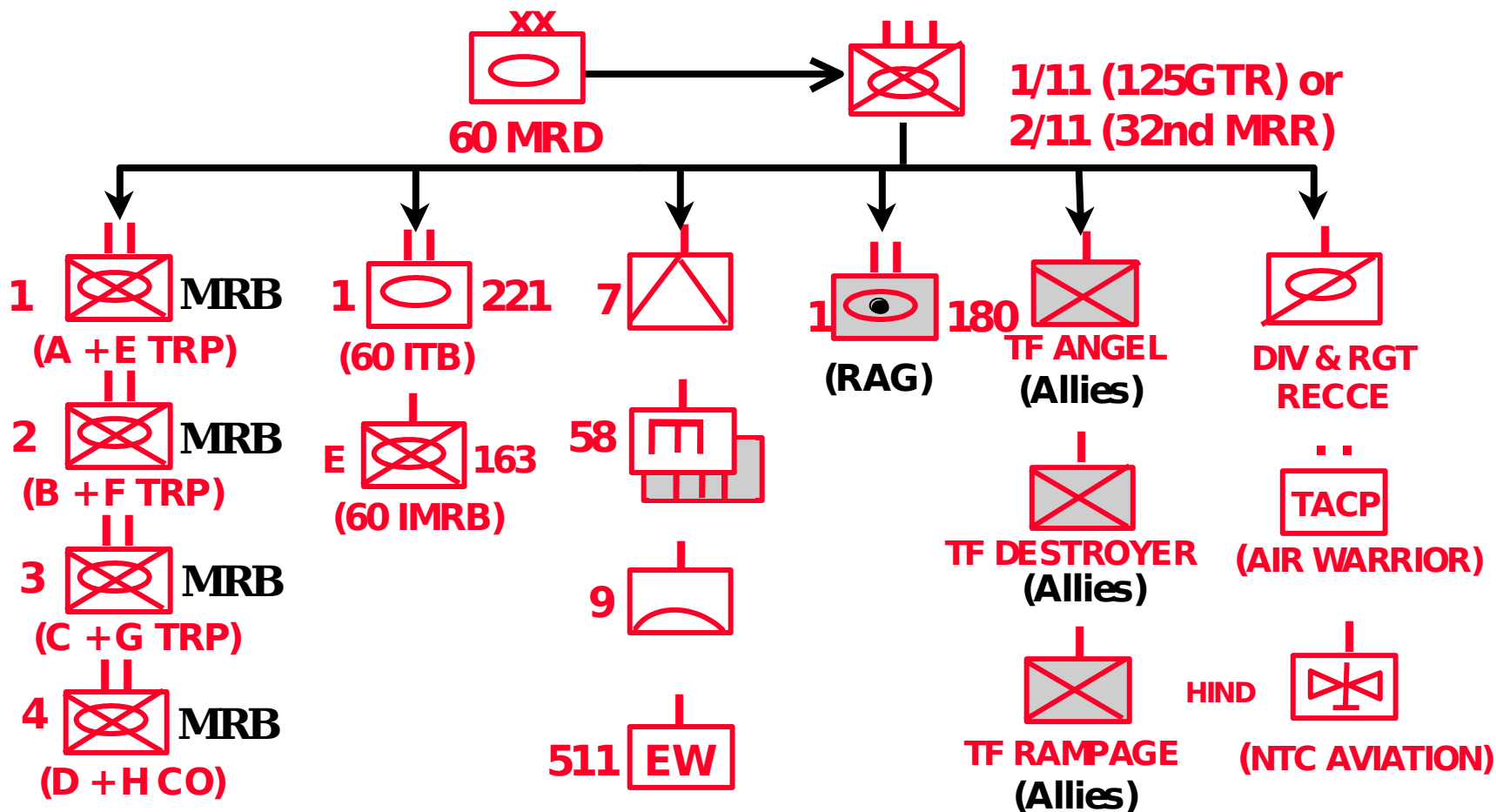




# OPFOR ORGANIZATION



## 60th Guards Motorized Rifle Division







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# SHORT-TERM IMPROVEMENTS



# SHORT-TERM IMPROVEMENTS

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## OPFOR Surrogate Vehicle (OSV)

- End-state: 160 OSV's
- To date, we have received 90
- 118 scheduled to arrive by end of FY01
- No solid date for the final 70
- SINCGARS radios on-hand for issue as OSVs arrive





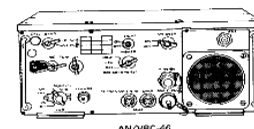
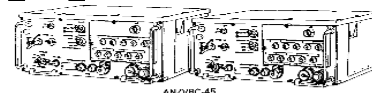
# SHORT-TERM IMPROVEMENTS



## Communications

### SINCGARs fielding

- Fielding of RT-1523A conducted 10 APR 00 - 31 OCT 00
- Before fielding, AN/VRC-12 series were utilized (1950s technology)
- SINCGARS allows operation on single-channel secure nets
- Awaiting approval by TRADOC so COMSEC accounts can be established



**AN/VRC-12 Series**



**RT-1523A**



# SHORT-TERM IMPROVEMENTS

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## KRASNOPOL

- 11th ACR developing ROE for use of ADHPM
- ROE not effective until approved by TRADOC, DCSINT and NTC
- Working towards acquiring MELIOS or similar eye-safe LRF for use as simulated laser designator
- Designators would deploy forward with DIV/REGT reconnaissance
- Not anticipating any NTC-IS system changes to use ADHPM



# SHORT-TERM IMPROVEMENTS

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## UAV

- During the Digital Capstone Exercise (DCX) OPFOR will employ virtual UAV
- All real-world factors are considered in employment, including crew rest and re-supply rates
- Flights conducted IAW the collection plan





# SHORT-TERM IMPROVEMENTS



## ZSU UPGRADE

### ASET IV Product Improvement



- Six ZSUs were upgraded to 2S6s in Dec 00 and Jan 01.

### ASET IV Performance

- Pedestal & radar rotators on the system prone to break on the HMMWV platform in a desert environment.
- STRICOM CDR briefed on systemic maintenance problems 15 Nov 00.
- Suggested maintenance changes:
  - Permanent Sierra maintenance representatives
  - Interim: Ensure sufficient floats exist to offset long repair times

- Long term: Replace HMMWV platform with M113 platform



# SHORT-TERM IMPROVEMENTS

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## 2A45M Night Capabilities

- PVS-5 provides range of 1.5-2 km with illumination
- PVS-4 provides range of 1-1.5 km with illumination
- Without illumination, both provide only a range of 1 km







# SHORT-TERM IMPROVEMENTS

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## Continuous Operations

- During Rotation 01-04 conducted train-up for operating a division tactical CP
- During DCX 11th ACR will operate the DTAC in conjunction with the DTOC, providing 24-hour continuous operations
- DTAC will incorporate SIM/STEM into battle-tracking for units in the field





# LONG-TERM IMPROVEMENTS



# LONG-TERM ENHANCEMENTS

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## ELECTRONIC WARFARE





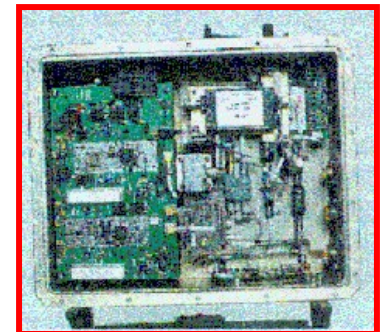
# LONG-TERM ENHANCEMENTS



## ELECTRONIC WARFARE

### AN/PPS-5B Upgrade

- System has not been upgraded since '70s
- Many parts are obsolete and no longer in production
- CECOM initiated upgrade (AN/PPS-5D)
- New system has twice the detection range (10km for personnel, 20km for vehicles)
- Comparable to the latest radar produced by former Soviet Union
- PPS-5D will give BLUEFOR units realistic training against OPFOR





# LONG-TERM ENHANCEMENTS



## ELECTRONIC WARFARE

### Collection/Jamming Upgrades

- Majority of BLUEFOR communications frequency-hop, severely degrading OPFOR ability
- OPFOR can only intercept digital nets
- Cannot jam frequencies above 80MHz
- If BLUEFOR units communicate unhindered, they will never develop alternate methods
- Looking at several proposed collector systems
- Proposing acquisition of R-047 (Jamming system)





# LONG-TERM ENHANCEMENTS



## AVIATION ASSETS

### SOKOL

- 9 aircraft
  - 3 HIP (or 3 Huey II)
  - 6 Attack (Huey II, MD500, Alouette, Bo105)
- CW5 GFR (government flight rep)
- Contracted pilots and maintenance
- Use JRTC support model (but higher optempo)
- DS to 11 ACR during rotations
- Missions:
  - OPFOR aviation attack, recon, security
  - OPFOR air assault (less company-size)



**JUH-1**



**Huey II**



# LONG-TERM ENHANCEMENTS



## OPFOR Surrogate Tank Vehicle (OSTV)

- Program is funded in the POM
- Requirement is for 63 (OSTV)
- OSTV will be a modified OSV







# SUMMARY

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- Organization & capabilities
- Short-term improvements
- Long-term enhancements
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# CONCLUSION

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Bottom line...

- Replicate current and relevant technology threats
- An OPFOR that can assess the BLUFOR's capabilities and attack its weaknesses
- Capabilities-based OPFOR, not the old Soviet-style type of formations of mass

***Set conditions in order to allow BLUFOR commanders to achieve their training objective***



**QUESTIONS**